IN THE CLAIMS:

1. (currently amended) A safety device of a coffee pot comprising:

a pot body provided with a water tank and a handle[[:]];

~~a n~~ an electric heater installed ~~under~~ at bottom of said water tank[[:]]; and

a probe unit provided on said electric heater in said water tank.

2. (original) The safety device of a coffee pot as claimed in claim 1, wherein said probe unit is provided with a metal probe, said metal probe wrapped up by an insulating material.

3. (currently amended) The safety device of a coffee pot comprising a control circuit, said control circuit comprising:

a metal probe, said metal probe able to produce a signal of micro voltage difference for a ~~resistance~~ resistor R1 according to a height of the water level of said water tank[[:]];

two comparison circuits OP1, OP2 actuated to operate by said signal coming from said ~~resistance~~ resistor R1, said two comparison circuits OP1, OP2 actuating a single-plate processing unit MCU and an OP operational circuit (A) to operate, said single-plate processing unit MCU and said OP operational circuit (A) controlling a switch control unit to operate, said switch control unit turning on and off the electric source of said electric heater of said coffee pot.

4. (new) The safety device of a coffee pot as claimed in claim 2, wherein one end of said metal probe is not covered by said insulating material and is in direct contact with water in said water tank.

5. (new) The safety device of a coffee pot as claimed in claim 4, wherein said metal probe is electrically connected to a control circuit and, when water level in said water tank is higher than said probe unit, said metal probe generates a signal of voltage difference.

6. (new) The safety device of a coffee pot as claimed in claim 1, wherein probe unit comprises a metal probe able to produce a signal of micro voltage difference for a resistor R1 according to a height of the water level of said water tank, said metal probe is electrically connected to a control circuit, said control circuit comprises:

the resistor R1, two comparison circuits OP1, OP2 actuated to operate by said signal coming from said resistor R1, said two comparison circuits OP1, OP2 actuating a single-plate processing unit MCU and an OP operational circuit (A) to operate, said single-plate processing unit MCU and said OP operational circuit (A) controlling a switch control unit to operate, said switch control unit turning on and off the electric source of said electric heater of said coffee pot.